

Converting Colors

CIELCh(50, 31.229, 234.604)

Have a look what the booklet for
CIELCh(50, 31.229, 234.604)
contains.

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Color

CIELCh(50, 31.229, 234.604)

Conversions

Conversions Part 1

Format	Color
Hex	0082A2
RGB	0, 130, 162
RGB Percent	0%, 51%, 64%
CMY	1.0000, 0.4921, 0.3666
CMYK	1.00, 0.20, 0.00, 0.37
HSL	192°, 100%, 32%
HSV	192°, 100%, 63%
XYZ	14.3748, 18.4187, 36.7499
YIQ	94.7780, -87.7520, -17.6080

Conversions

Conversions Part 2

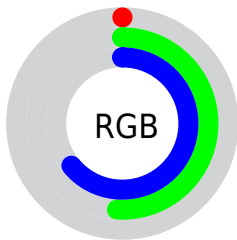
Format	Color
RYB	0, 72, 162
Decimal	33442
CIELab	50.00, -18.09, -25.46
CIELCh	50, 31.229, 234.604
Yxy	18.4187, 0.2067, 0.2649
Android (android.graphics.Color)	4278223522 (0xFF0082A2)
YUV	94.7780, 33.1404, -83.1203
Hunter-Lab	42.9170, -15.3170, -20.7282

Details

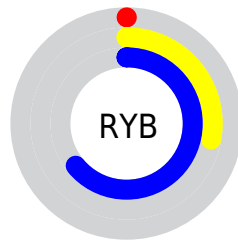
The CIELCh color **50, 31.229, 234.604** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **35, 70.304, 43.662**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 31.201, 234.791**, and **32, 24.668, 246.571** is the 20% darker color. If you saturate the color by 10%, you get **50, 31.165, 234.697**, and if you desaturate by 10%, it is **51, 30.343, 231.244**.

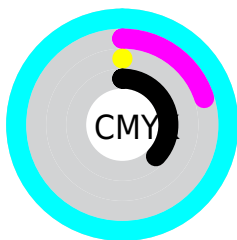
Distribution



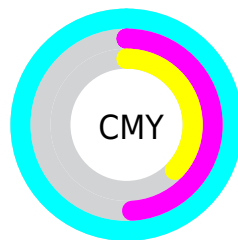
- Red (0%)
- Green (51%)
- Blue (64%)



- Red (0%)
- Yellow (28%)
- Blue (64%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (37%)





- Cyan (100%)
- Magenta (49%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 31.229, 234.604 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 31.229, 234.604 by changing the saturation by 10% instead.


 50, 31.229,
234.604


 50, 31.229,
234.604


 100, 31.229,
234.604


 40, 31.229,
234.604


 70, 31.229,
234.604

 30, 31.229,
234.604


 80, 31.229,
234.604


 20, 31.229,
234.604

 90, 31.229,
234.604

 10, 31.229,
234.604

 0, 31.229, 234.604

 50, 31.229,
234.604

 50, 31.229,
234.604

■ 50, 31.165,
234.697

■ 51, 30.343,
231.244

■ 52, 29.146,
228.256

■ 54, 27.373,
225.850

■ 55, 24.984,
223.955

■ 57, 21.988,
222.491

■ 59, 18.431,
221.383

■ 60, 14.379,
220.564

■ 62, 9.908, 219.982

■ 64, 5.092, 219.609

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 31.229, 234.604



35, 70.304, 43.662

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50, 31.229, 234.604



50, 31.229, 284.604



50, 31.229, 54.604



50, 31.229, 104.604

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 31.165, 234.697



76, 17.709, 220.603



58, 80.391, 138.388



39, 11.879, 220.901



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 31.165, 234.697



64, 37.823, 235.490



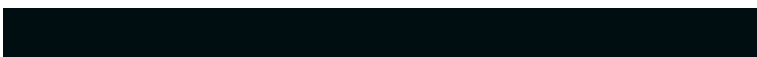
27, 70.591, 297.138



34, 2.910, 219.592



45, 28.827, 234.320



3, 4.537, 224.920

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36, 70.535, 337.915



47, 85.229, 338.135



51, 58.756, 77.515



32, 5.462, 330.993



33, 65.375, 337.811



1, 8.164, 332.178

Previews

White Background



This preview shows how the CIE LCh color 50, 31.229, 234.604 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 31.229, 234.604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

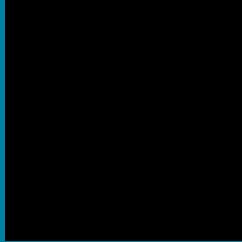
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 31.229, 234.604

Background



This preview shows how black text looks on a background with the CIELCh color 50, 31.229, 234.604.

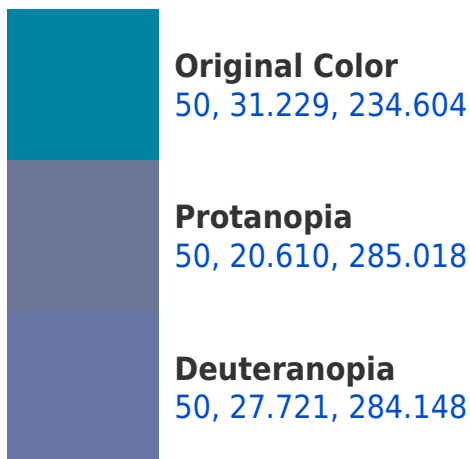



This preview shows how white text looks on a background with the CIELCh color 50, 31.229, 234.604.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
50, 29.689, 208.154

Trichromacy



Original Color
50, 31.229, 234.604

Protanomaly
49, 24.431, 251.448

Deuteranomaly
49, 28.134, 258.047

Tritanomaly
50, 29.531, 218.038

Monochromacy



Original Color
50, 31.229, 234.604

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 17.103, 223.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 31.229, 234.604 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 130, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 162)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 130, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 31.229, 234.604 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 130, 162) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 130, 162) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 130, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 31.229, 234.604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 162) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 130,  
162) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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